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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
|-----------------|-------------|----------------------|---------------------|------------------|

09/785,544

02/16/2001

Erich Geiger

Harman 6080

5200

7590

10/07/2005

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EXAMINER

TRAN, DALENA

ART UNIT

PAPER NUMBER

3661

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                                      |                                      |  |
|------------------------------|--------------------------------------|--------------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>09/785,544 | <b>Applicant(s)</b><br>GEIGER ET AL. |  |
|                              | <b>Examiner</b><br>Dalena Tran       | <b>Art Unit</b><br>3661              |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 July 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>7/18/05</u> . | 6) <input type="checkbox"/> Other: _____  |

*LC*



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| APPLICATION NO./<br>CONTROL NO. | FILING DATE | FIRST NAMED INVENTOR /<br>PATENT IN REEXAMINATION | ATTORNEY DOCKET NO. |
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20050930

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

## DETAILED ACTION

### Notice to Applicant(s)

1. This office action is responsive to the amendment filed on 7/18/05. As per request, claims 1-15, and 17-24 have been amended. Thus, claims 1-24 are pending.

The prior art submitted on 7/18/05 has been considered.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3, 5-7, 9-10, 12-20, and 23-24, are rejected under 35 U.S.C. 102(e) as being anticipated by Drury et al. (6,707,421).

As per claims 1, and 24, Drury et al. disclose a navigation system for use in a motor vehicle, comprising: a data input unit through which a user enters destination position data (see at least column 5, lines 1-17; and column 7, lines 6-12), a first non-volatile memory unit stores a basic navigation database including road map information, and a second non-volatile memory unit that receives and stores the received supplemental navigation data (see at least columns 2-3, lines 57-2; column 10, lines 10-33; columns 14-16, lines 47-32; columns 43-44, lines 63-12; and column 45, lines 31-56), a communication unit that receives supplemental navigation data including digital road maps information, and provides receives supplemental navigation data (see at least columns 1-2, lines 65-36; column 3, lines 2-47; and column 11, lines 35-49), a navigation

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computer receives start and destination position data, and computes driving directions between the starting and destination position using information from the basic navigation database and the supplemental navigation data (see at least column 3, lines 2-47; columns 9-10, lines 65-9), and a data output unit for outputting the driving direction to the user (see at least columns 10-11, lines 51-34).

As per claims 2, Drury et al. disclose communication unit includes a wireless receiver that receives the supplemental data (see at least columns 5-6, lines 18-36).

As per claim 3, Drury et al. disclose wireless receiver includes a GSM receiver (see at least column 6, lines 8-28).

As per claims 5-6, Drury et al. disclose data output unit comprises a display for presenting driving directions to the user, and supplemental navigation data comprises graphic data for presentation on display (see at least columns 1-2, lines 65-36; and columns 10-11, lines 51-34).

As per claim 7, Drury et al. disclose first non-volatile memory unit comprises a compact disk (see at least columns 2-3, lines 57-50).

As per claims 9-10, and 12-14, Drury et al. disclose first and second non-volatile memory unit comprises a hard disk, flash random access memory, and dynamic random access memory (see at least column 10, lines 10-33).

As per claim 15, Drury et al. disclose navigation computer, data input unit, data output unit, first, second memory, and communication unit are arranged in a ring communication network (see at least columns 9-10, lines 65-33).

As per claims 16-17, Drury et al. disclose a position locating unit comprises a GPS receiver (see at least column 11, lines 35-49).

As per claim 18, Drury et al. disclose received supplemental navigation data comprises data for used by navigation computer to provide routine search and destination directions relating to a starting position, an intermediate destination, and a final destination specified by the user (see at least columns 17-18, lines 46-20).

As per claim 19, Drury et al. disclose communication unit comprises a memory input port configured to receive a data medium that includes supplemental navigation data (see at least column 11, lines 50-60).

As per claim 20, Drury et al. disclose data medium comprises a compact disk (see at least columns 2-3, lines 57-2):

As per claim 23, Drury et al. disclose a method for data management of a motor vehicle navigation system, comprising: receiving a destination position through a data input unit, which is connected to the navigation computer (see at least column 5, lines 1-17; column 7, lines 6-12; and column 18, lines 24-40), calculating driving routes in a navigation computer between a current position of the motor vehicle and the destination position, and transmitting to the user the driving routes calculated by the navigation computer (see at least columns 4-5, lines 52-17; and columns 19-20, lines 43-38), receiving data supplementary to the basic database, such as detailed information of digital road maps over a network connection to a communication unit that is connected to the navigation computer (see at least columns 5-6, lines 18-35; and columns 7-8, lines 44-42); storing in a first non volatile memory unit connected to the navigation computer, a basic database that includes road map information, which is needed to calculate the driving route,

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and storing the received supplementary data in a second non volatile memory unit (see at least columns 2-3, lines 57-2; column 9, lines 7-62; column 10, lines 10-33; column 27, lines 6-29; columns 43-44, lines 63-12; and column 45, lines 32-56).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 8, 11, and 21-22, are rejected under 35 U.S.C. 103(a) as being unpatentable over Drury et al. (6,707,421) in view of Kadaba et al. (6,298,305).

As per claims 8, 11, and 21-22, Drury et al. do not disclose data medium comprises a digital video versatile disk, a read only memory, and an IC memory card. However, Kadaba et al. disclose data medium comprises a digital video versatile disk, a read only memory, and an IC memory card (see at least column 3, lines 28-46). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Drury et al., by combining data medium comprises a digital video versatile disk, a read only memory, and an IC memory card to store routes to all eventually possible destinations in preparing the route in a timely manner up to the start of travel.

6. Claim 4, is rejected under 35 U.S.C. 103(a) as being unpatentable over Drury et al. (6,707,421) in view of Aarino (6,522,889).

As per claim 4, Drury et al. do not disclose Bluetooth compatible communication. However, Aarino discloses wireless receiver receives supplemental navigation data via a

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Bluetooth compatible communication protocol (see at least columns 3-4, lines 15-27). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Drury et al. by combining wireless receiver receives supplemental navigation data via a Bluetooth compatible communication protocol to reduce an interferer causing problems in the reception of a signal.

#### Remarks

7. Applicant's argument filed on 7/18/05 has been fully considered. Upon updated search, the new ground of rejection has been set forth as above.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The examiner can normally be reached on M-F 6:30 AM-4:00 PM), off every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner

Dalena Tran



September 30, 2005